




LIFE...UNINTERRUPTED™



UL LISTED





AUTOMATIC POWER SYSTEM

P270100 / P270110

| Models: P270100 P270110 | | Output Standby Rating* | | | Full Load Current | Motor Starting | Alternator Insulation | MLCB Rating |
|---|-------|---------------------------|------|-----|----------------------|---------------------|--------------------------|----------------|
| Voltage | Phase | Hertz | kW | kVA | Amps | SkVA ⁽¹⁾ | Class | Amps |
| 120/240 | 1 | 60 | 27LP | 27 | 225/112.5 | 43 | H | 125 |
| *NAMEPLATE RATING FOR CONTINUOUS STANDBY OPERATION FOR THE DURATION OF THE OUTAGE. DERATE 4% PER 1000 FEET ABOVE 500 FEET. (1) RATED @ 30% VOLTAGE DIP. | | | | | | | | |

STANDARD FEATURES

- GM Vortec 3000 Industrial Engine**

 - Ultra quiet and dependable automotive style inline 4 cylinder operating at 1800 rpm
 - Specially designed for use on LPG/natural gas
 - Fuel efficient and durable design
 - Electronic governing provides 0.5% frequency control
- 4-Pole Alternator**

 - 2/3 pitch winding for reduced harmonics (<5%)
 - Tropicalized windings for corrosion resistance
- Sound Attenuated Weather Enclosure**

 - 16 gauge Galvaneel™ (galvanized) steel or 12 gauge aluminum with sound insulating material installed
 - Powder coated almond color finish
 - Modular design allows access from all sides
 - Critical grade muffler integral to unit
- Fuel System**

 - Operates on liquefied petroleum gas or natural gas
 - Field convertible from natural gas to liquid propane
 - Integrated governor-throttle body assembly
 - Dual 12V DC positive lock-off valves for added safety

- Cooling System**

 - High ambient temperature rated
 - Factory filled with environmentally safe propylene glycol
 - High temperature shutdown protection
- Main Line Circuit Breaker**

 - UL 489 listed breaker is included as standard
 - Conveniently mounted behind service door
- Digital Remote Start/Stop Controller**

 - Automatic remote start (2-wire)
 - Overspeed protection
 - Overcrank protection
 - Battery condition monitoring
 - Underspeed protection
 - On-off-auto selector switch
 - Engine oil pressure protection
 - Hour meter
- Warranty**

 - 3 year / 1500 hour limited warranty (comprehensive)
 - 5 year / 1500 hour extended limited warranty (engine/alternator)
- Accessories**

 - Oil Pan Heater
 - Maintenance Kit

3 YEARS
1500 HOURS
ENTIRE SYSTEM

5 YEARS
1500 HOURS
ENGINE/ALTERNATOR

SEE REVERSE SIDE FOR TECHNICAL SPECIFICATIONS
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

P270100 / P270110

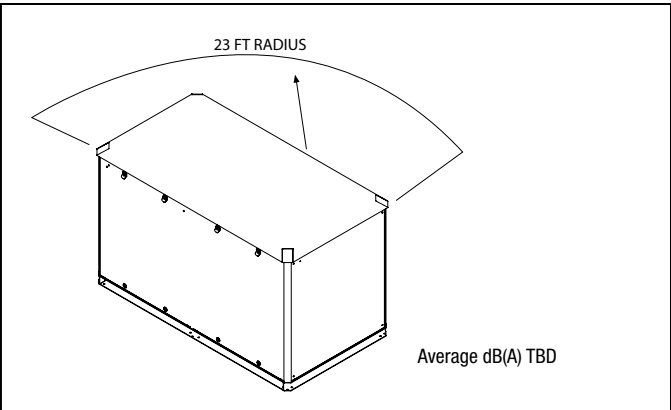
ENGINE DATA

| | |
|-----------------------------|---|
| General | |
| Manufacturer | General Motors |
| Model | 6RL |
| Type | 4-cycle, in-line configuration |
| Horsepower | 64 hp @1800 rpm (LP) |
| Cylinder Block Material | Cast iron |
| Cylinders | 4 |
| Aspiration | Natural |
| Air Cleaner | Heavy duty replaceable dry element |
| Displacement | 3.0 Liters (181 cid) |
| Compression Ratio | 10.5:1 |
| Bore | 4.00 in (101.60 mm) |
| Stroke | 3.6 in (91.44 mm) |
| RPM | 1800 |
| Engine Governing | +/- 0.5% - electronic |
| Fuel System | |
| Fuel System | Woodward fuel mixer, secondary regulator, 12V DC positive locking shut-off solenoid |
| Fuel Type | Liquefied petroleum gas (vapor) or natural gas |
| Delivery Method | Carbureted induction |
| Lubrication System | |
| Lube Oil System | Centrifugal pump, spin-on-full flow filter |
| Lube Oil Capacity | 4.5 quarts |
| Oil Pan Heater | Optional |
| Cooling System | |
| Cooling System Capacity | 2.8 gallons |
| Coolant Flow Rate | 18 GPM |
| Electrical System | |
| Starting Voltage | 12V negative ground |
| Battery Size Required | BCI group 34, battery rack and 2/0 cables inc |
| Cranking Current | 750cca @ 0°F |
| Battery Charging Alternator | 90 amps |
| Battery Charger (120V AC) | Bulk – 6A, 12vdc Absorption – 5.5A, taper to 1.5A between 13-14V DC Float – 0.1 To 0.3A, 13.3vdc K 0.3vdc |

FUEL DATA

| | | |
|----------------------|----------------------------|--|
| Fuel Type | | Liquefied petroleum gas vapor or natural gas |
| Fuel Supply Inlet | | 3/4" NPT |
| Fuel Supply Pressure | | 6-11 (in/H2O) |
| Fuel Consumption | | |
| Load | LP Vapor (Gallons/Hour) | Natural Gas (Cubic Feet/Hour) |
| 50% | 1.84 | 169 |

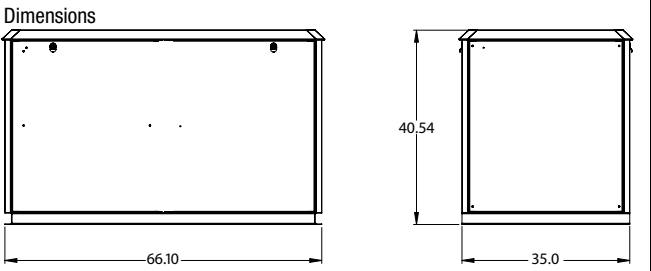
SOUND DATA



ENGINE GENERATOR APPLICATION/INSTALL DATA

| | |
|-------------------------------------|--------------|
| Radiator Airflow | 4500 CFM |
| Alternator Airflow | 250 CFM |
| Combustion Airflow | 150 CFM |
| Total Airflow | 4900 CFM |
| Heat Rejected To Coolant | 86000 BTU/HR |
| Maximum Exhaust Flow | 290 CFM |
| Maximum Exhaust Backpressure | 3.0 in Hg |
| Exhaust Temperature | 1200°F |
| Maximum Clean Inlet Air Restriction | 10 in H2O |
| Maximum Dirty Inlet Air Restriction | 20 in H2O |

| | |
|--------|---------------------|
| Weight | 1275 lbs. (P270100) |
| | 1175 lbs. (P270110) |



All specifications subject to change without notice



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